

NEVADA SOURCE WATER ASSESSMENT PROGRAM

Final Draft Highlights

January 1998

Lead Agency:

State Health Division
Bureau of Health Protection Services

Funding Source:

Drinking Water State Revolving Fund (DW SRF): \$1,258,000 (one year only)

Timeframe

Program submittal due: February 6, 1999
Program implementation: All assessments must be completed 3.5 years after EPA approval.

ASSESSMENT APPROACH

Assessments consists of a delineation of a protection area, a contaminant inventory within the protection area, and a vulnerability determination of public water supply serving ground water (well) and/or surface water (intake).

DELINEATIONS

Ground Water: 2, 5, 10 year TOT or in situations with insufficient information, 1100', 1800' or 3000' fixed radius.

Surface Water: The state will work with the water purveyors to define a more precise delineated area, but a minimum of 10 miles upstream of the intake and 500' on both sides of the water body will be mandatory.

CONTAMINANT INVENTORY

All contaminants regulated under SDWA and perchlorate and MTBE will be inventoried.

VULNERABILITY DETERMINATION

BHPS will conduct assessments by each drinking water source and a high or low vulnerability will be determined for each of the contaminant groupings. After each source is assessed, a narrative summary of the vulnerability of the entire PWS will be made.

For groundwater, the final determination for each source will correlate with a drinking water monitoring waiver. No waivers will be issued for surface water.

The determination criteria are:

- ▶ water quality
- ▶ contaminant risk ranking
- ▶ susceptibility/sensitivity
- ▶ other relevant factors

DATA MANAGEMENT

All sources of drinking water, point and non-point sources will be GPSed. Coverages will be created for all contaminant sources within a 3 meter accuracy.

DISSEMINATION OF INFORMATION

A summary of the PWS vulnerability determination and a map with all contaminant source facilities will be provided to the public upon request.

SOURCE WATER PROTECTION

To promote local protection activities with the assessment information, the State will:

- ▶ Work with NDEP and RWA to give presentations to local decision makers on the results of their assessment.
- ▶ Disseminate the information to NDEP programs to promote the use of SWAP data in making inspection and enforcement priorities, and permitting decisions.
- ▶ Coordinate with the University of Nevada, Reno to conduct outreach.
- ▶ Participate in watershed groups, such as the Lake Mead Water Quality Forum, Truckee River Operating Agreement, the Lake Tahoe Source Water Assessment and Protection Plan, and the Las Vegas Wash Coordinating Committee.

- 1 20 ECONO LUBE
- 2 20 CHAPMAN'S DODGE
- 3 20 MEYER'S SERVICE CENTER
- 4 14 VANNA'S DRY CLEANING
- 5 20 SEA RAY
- 6 20 LAL'S BLUEWATER MARINE
- 7 18 PAINTER'S AUTOLAND
- 8 18 LARL SCHIEB AUTO PAINT
- 9 22 76 GAS STATION (ABANDONED)
- 10 22 TEXACO GAS STATION
- 11 20 FIRESTONE
- 12 20 GARY HAMMA NISSAN
- 13 WLI WELL 1

3000 ft radius

Approximate flow line

Scale 1"=2000'
Contour interval = 50 ft

Approximate hydraulic gradient .067 at 75 degrees east